

# Bianca Viray

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Seattle, WA 98195, USA        Last Updated: September 17, 2024

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## EMPLOYMENT

2021 –            Professor, University of Washington  
2017 – 2021    Associate Professor, University of Washington  
2014 – 2017    Assistant Professor, University of Washington  
2010 – 2014    Tamarkin Assistant Professor and NSF Postdoctoral Fellow, Brown University

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## VISITING APPOINTMENTS

2023    Research member, MSRI  
2021 – 2022    Visiting associate professor, MIT  
2017    Visiting Erskine Fellow, University of Canterbury  
2012    Academic guest, Rational Points and Algebraic Cycles program,  
          Centre Interfacultaire Bernoulli, École Polytechnique Fédérale de Lausanne (EPFL)  
2012    Postdoctoral Fellow, Complex and Arithmetic Dynamics program,  
          Institute for Computational and Experimental Research Mathematics (ICERM)  
2009    Intern, Microsoft Research, Cryptography group  
2008    Center for Communications Research, La Jolla, CA

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## EDUCATION

2010    Ph.D. Mathematics, University of California, Berkeley (advisor: Bjorn Poonen)  
2005    B.S. Mathematics, University of Maryland, College Park, cum laude

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## AWARDS AND GRANTS

2024 – 2027    NSF-DMS Grant #2401327, \$260,000  
2022 – 2026    Craig McKibben and Sarah Merner Endowed Professor of Mathematics  
2022    AMS Joan and Joseph Birman Fellow  
2022    AWM Fellow  
2021 – 2024    NSF-DMS Grant #2101434, \$307,257  
2021    Fellow of the AMS  
2021 – 2022    Simons Fellowship  
2016 – 2021    NSF-DMS CAREER Grant #1553459, \$449,992  
2020    International Visitor, Sydney Math Research Inst. (cancelled due to COVID-19)  
2015 – 2017    NSA Young Investigator Grant, \$40,000.00 (awarded 2014, terminated early in 2016)  
2010 – 2014    NSF Postdoctoral Fellowship  
2009 – 2010    Ford Foundation Dissertation Fellowship  
2007 – 2008    Mentored Research Award, University of California, Berkeley

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**CURRENT AND UPCOMING SERVICE**<sup>1</sup>
**CONFERENCE ORGANIZER**

- 2026 Women in Numbers 7 (tentative)  
 Co-organizers: Alia Hamieh, Cathy Hsu, and Beth Malmskog
- 2025 Summer Research Inst. in Algebraic Geometry, Session on Varieties over global fields  
 Co-organizers: Jennifer Balakrishnan and Junyi Xie
- 2022 – Roots of Unity workshop series (held biannually)  
 Co-organizers: Christine Berkesch, Michelle Manes, Priyam Patel, Candice Price,  
 and Adriana Salerno

**SCIENTIFIC COMMITTEE MEMBER**

- 2022 – Rational Points Conference

**SERVICE TO THE COMMUNITY**

- 2024 – Editor, *Bulletin of the AMS*
- 2024 – 2027 AMS Prize Oversight Committee
- 2024 – 2026 AMS Canvassing Committee
- 2024 – 2025 AMS Canvassing Committee (chair)
- 2024 – 2025 Nominating committee of the ECBT
- 2023 – 2026 Vice President of the AMS
- 2023 – 2025 AMS Long Range Planning Committee
- 2022 – 2026 Executive Committee of AMS Council
- 2020 – 2026 Member, AMS Policy Committee on Publications
- 2018 – Series editor, *Algorithms and Computation in Mathematics*
- 2018 – Editor, *Research in Number Theory*
- 2015 – Member, Women in Numbers (WIN) Steering Committee
- 2012 – Board of directors, Girls' Angle: a math club for girls, see [girlsangle.org](http://girlsangle.org)
- 2011 – Advisory board, Girls' Angle

**DEPARTMENT SERVICE**

- 2024 – Undergraduate Program Committee

**ADVISING**

- Bryan Boehnke, Ph.D. (expected)
- Jasmine Camero, Ph.D., Emory University (expected)
- Alex Wang, Ph.D. (expected)
- Alex Galarraga, Ph.D. (expected)

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**LECTURE SERIES**

- 2024 Rational points: new dimensions, *Algebraic points on curves* (4 lectures) (planned)
- 2022 PCMI, “Number Theory Informed by Computation” (3 lectures)
- 2015 Arizona Winter School, *Rational points on surfaces* (5 lectures)

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<sup>1</sup>Full service record given at the end of the C.V.

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**PUBLIC LECTURES**

- 2024 Women in Math Nights, New York University Abu Dhabi  
 2022 Lahr Public Lecture, Dartmouth College

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**SELECTED INVITED CONFERENCE TALKS**

- 2025 Algebraic points on curves, ICERM (planned)  
 2024 Joint Meeting of the NZMS, AustMS and AMS, special session on Arithmetic Geometry and Number Theory (planned)  
 Birational Geometry and Number Theory, ICMS, Edinburgh (planned)  
 The Mordell Conjecture 100 years later, MIT  
 2023 Connections Workshop: Diophantine Geometry, MSRI/SLMath  
 AMS Joint Mathematical Meetings, Boston, MA,  
 AMS Special Session on Arithmetic Geometry Informed by Computation  
 2022 Pacific Rim Mathematical Association (PRIMA) Congress, Vancouver, Canada  
 Special session on Algebraic number theory and arithmetic geometry  
 Explicit Methods for Modularity, Simons Collaboration  
 Rational Points 2022, Franken-Akademie Schloss Schney  
 2020 Connecticut Summer School in Number Theory, University of Connecticut  
 AMS/MAA Joint Mathematical Meetings, Denver CO,  
 Special Session on “Rational Points on Varieties: Theory and Computation”  
 2019 RIMS Symposia: Rational Points on Higher Dimensional Varieties  
 Heilbronn Annual Conference, University of Bristol  
 Arithmetic, Geometry, Cryptography, and Coding Theory 17, CIRM, Luminy  
*Plenary speaker*  
 2018 Arithmetic Geometry, Number Theory, and Computation, Massachusetts Institute of Technology  
 Explicit Methods in Number Theory, Oberwolfach  
 Classical Algebraic Geometry, Oberwolfach  
 2017 SIAM conference on Applied Algebraic Geometry, Georgia Institute of Technology  
*Plenary speaker*  
 2016 Twelfth Algorithmic Number Theory Symposium, University of Kaiserslautern  
*Plenary speaker*  
 2015 Palmetto Number Theory Series (PANTS), Clemson University  
*Plenary speaker*  
 AMS Spring Western Sectional Meeting, University of Nevada, Las Vegas  
*Invited address*

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**SELECTED COLLOQUIA AND SEMINARS**

- 2025 University of California, Berkeley (planned)  
 2024 Colloque des sciences mathématiques du Québec, CSMQ

- Quebec-Vermont Number Theory Seminar,  
Center for Communications Research, La Jolla, Colloquium
- 2023 University of Michigan, Colloquium
- 2022 Dartmouth College, Lahr Diversity Colloquium  
Harvard/MIT Algebraic geometry seminar  
Harvard University, Number theory seminar  
Rice University, Colloquium  
Tufts University, Colloquium
- 2021 Brown University, Algebra seminar  
Massachusetts Institute of Technology, Number theory seminar  
San Francisco State University, Algebra, Geometry, and Combinatorics Seminar  
University of Georgia, Number theory seminar  
VaNTAGe Seminar, A virtual math seminar on open conjectures in number theory and arithmetic geometry  
Ohio State University, Colloquium  
University of Waterloo, Colloquium
- 2020 Mathematical Conversations at Home, Institute for Advanced Study  
University of Pittsburgh, Colloquium  
Stony Brook University, Algebraic Geometry Seminar  
Zoom Algebraic Geometry Seminar  
Number Theory Web Seminar  
Simon Fraser University, Quarantined Number Theory & Algebraic Geometry Seminar  
University of Utah, AWM-RTG Colloquium
- 2018 Emory University, Athens-Atlanta Joint Number Theory Seminar
- 2017 University of Oregon, AWM Distinguished Speaker Series  
University of Canterbury, Colloquium  
Vanderbilt University, Colloquium
- 2015 University of Wisconsin, Madison, Colloquium  
Rice University, Colloquium

## — PUBLICATIONS

1. Brauer-Manin obstructions requiring arbitrarily many Brauer classes (with Jennifer Berg, Carlo Pagano, Bjorn Poonen, Michael Stoll, Nicholas Triantafillou, and Isabel Vogt). *Bull. Lond. Math. Soc.* **56** (2024), no. 5, 1587–1604.
2. Curve classes on conic bundle threefolds and applications to rationality (with Sarah Frei, Lena Ji, Soumya Sankar, and Isabel Vogt). *Algebr. Geom.* **11** (2024), no. 3, 421–459.
3. Quadratic points on intersections of quadrics. (with Brendan Creutz). *Algebra Number Theory* **17** (2023), no. 8, 1411–1452.
4. Persistence of the Brauer-Manin obstruction on cubic surfaces. (with Carlos Rivera). *Math. Res. Letters* **29** (2022), no. 6, 1881–1889.

5. Corrigendum: Abelian  $n$ -division fields of elliptic curves and Brauer groups of product Kummer and abelian surfaces (with Anthony Várilly-Alvarado). *Forum Math. Sigma* **8** (2020), Paper No. e60, 4 pp.
6. On the level of modular curves that give rise to isolated  $j$ -invariants (with Abbey Bourdon, Özlem Ejder, Yuan Liu, and Frances Odumodu). *Advances in Mathematics* **357** (2019).
7. Degree and the Brauer-Manin obstruction (with Brendan Creutz and an appendix by Alexei N. Skorobogatov). *Algebra Number Theory* **12** (2018), no. 10, 2445–2470.
8. The  $d$ -primary Brauer-Manin obstruction for curves (with Brendan Creutz and José Felipe Voloch). *Research in Number Theory* **4** (2018), no. 2, Article 26, 16 pp.
9. Abelian  $n$ -division fields of elliptic curves and Brauer groups of product Kummer and abelian surfaces (with Anthony Várilly-Alvarado). *Forum of Mathematics. Sigma* **5** (2017), e29, 42 pp. doi:10.1017/fms.2017.16
10. Unramified Brauer classes on cyclic covers of the projective plane (with Colin Ingalls, Andrew Obus, and Ekin Ozman and an appendix by Hugh Thomas). *Proceedings of Brauer groups and obstruction problems: moduli spaces and arithmetic*, 115–153, Progress in Mathematics, 320, Springer, [Basel], 2017.
11. Insufficiency of the Brauer-Manin obstruction for Enriques surfaces (with Francesca Balestrieri, Jennifer Berg, Michelle Manes & Jennifer Park). *Directions in Number Theory: Proceedings of the 2014 WIN3 Workshop*, Association for Women in Mathematics Series, vol. 3, Springer, [Cham], 2016, pp. 1–31.
12. Evidence for the dynamical Brauer-Manin criterion (with Ekaterina Amerik, Pär Kurlberg, Khoa Nguyen, Adam Towsley, and José Felipe Voloch). *Experimental Mathematics* **25** (2016), no. 1, 54–65. doi:10.1080/10586458.2015.1056889
13. On Brauer groups of double covers of ruled surfaces (with Brendan Creutz). *Mathematische Annalen* **362** (2015), no. 3, 1169–1200. doi: 10.1007/s00208-014-1153-0
14. On singular moduli for arbitrary discriminants (with Kristin Lauter). *International Mathematics Research Notices*, (2015), no. 19, 9206–9250. doi: 10.1093/imrn/rnu223
15. Denominators of Igusa class polynomials (with Kristin Lauter). *Numéro consacré au trimestre “Méthodes arithmétiques et applications”, automne 2013. Publications Mathématiques de Besançon. Algèbre et Théorie des Nombres. 2014/2* Presses Univ. Franche-Comté, Besançon, 2015, pp. 5–29.
16. Smooth compactifications of certain normic bundles (with Anthony Várilly-Alvarado). *European Journal of Mathematics* **1** (2015), no. 2, 250–259. doi: 10.1007/s40879-015-0035-7
17. An arithmetic intersection theory formula for denominators of Igusa class polynomials (with Kristin Lauter). *American Journal of Mathematics* **137** (2015), no. 2, 497–533. doi: 10.1353/ajm.2015.0010

18. Two torsion in the Brauer group of a hyperelliptic curve (with Brendan Creutz). *Manuscripta Mathematica* **147** (2015), no. 1-2, 139–167. doi: 10.1007/s00229-014-0721-7
19. Corrigendum: Higher dimensional analogs of Châtelet surfaces (with Anthony Várilly-Alvarado). *Bulletin of the London Mathematical Society* **47** (2015), no. 2, 217–218.
20. Computing conjugating sets and automorphism groups of rational functions (with Xander Faber and Michelle Manes). *Journal of Algebra* **423** (2014), 1161–1190. doi: 10.1016/j.jalgebra.2014.08.048
21. Arithmetic of del Pezzo surfaces of degree 4 and vertical Brauer groups (with Anthony Várilly-Alvarado). *Advances in Mathematics* **255** (2014), 153–181. doi: 10.1016/j.aim.2014.01.004
22. On a uniform bound for the number of exceptional linear subvarieties in the Mordell-Lang conjecture (with Joseph H. Silverman). *Mathematical Research Letters* **20** (2013), no. 3, 547–566. doi: 10.4310/MRL.2013.v20.n3.a12
23. Comparing arithmetic intersection theory formulas for denominators of Igusa class polynomials (with Jacqueline Anderson, Jennifer S. Balakrishnan, Kristin Lauter, and Jennifer Park). *Women in Numbers 2: Research Directions in Number Theory*, Contemporary Mathematics, vol. 606, Amer. Math. Soc., Providence, RI, 2013, pp. 65–82.
24. Failure of the Hasse principle for Châtelet surfaces in characteristic 2. *Journal de Théorie des Nombres de Bordeaux* **24** (2012), no. 1, 231–236. doi: 10.5802/jtnb.794
25. Higher-dimensional analogs of Châtelet surfaces (with Anthony Várilly-Alvarado). *Bulletin of the London Mathematical Society* **44** (2012), no. 1, 125–135. doi: 10.1112/blms/bdr075
26. Failure of the Hasse principle for Enriques surfaces. (with Anthony Várilly-Alvarado). *Advances in Mathematics* **226** (2011), no. 6, 4884–4901. doi: 10.1016/j.aim.2010.12.020
27. Igusa class polynomials, embeddings of quartic CM fields, and arithmetic intersection theory (with Helen Grundman, Jennifer Johnson-Leung, Kristin Lauter, Adriana Salerno, and Erika Wittenborn). *WIN—Women in Numbers*, Fields Institute Communications, vol. 60, Amer. Math. Soc., Providence, RI, 2011, pp. 35–60.
28. A family of varieties with exactly one pointless rational fiber. *Journal de Théorie des Nombres de Bordeaux* **22** (2010), no. 3, 741–745. doi: 10.5802/jtnb.743
29. Hilbert schemes of 8 points (with Dustin A. Cartwright, Daniel Erman, and Mauricio Velasco). *Algebra and Number Theory* **3** (2009), no. 7, 763–795. doi: 10.2140/ant.2009.3.763

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**ACCEPTED FOR PUBLICATION**

30. Degrees of points on varieties over Henselian fields (with Brendan Creutz). [arXiv:2306.01267](https://arxiv.org/abs/2306.01267), 19 pages. To appear in *Transactions of the AMS*

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## SUBMITTED FOR PUBLICATION

31. Rational points on varieties and the Brauer-Manin obstruction. [arXiv:2303.17796](#), 19 pages.
32. Conic bundle threefolds differing by a constant Brauer class and connections to rationality (with Sarah Frei, Lena Ji, Soumya Sankar, and Isabel Vogt). [arXiv:2406.13510](#), 18 pages.
33. Isolated and parameterized points on curves (with Isabel Vogt). [arXiv:2406.14353](#), 26 pages.
34. Quartic del Pezzo surfaces without quadratic points (with Brendan Creutz). [arXiv:2408.08436](#), 7 pages.

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## BOOKS EDITED

35. Brauer groups & obstruction problems: moduli spaces and arithmetic. Edited with Asher Auel, Brendan Hassett, and Anthony Várilly-Alvarado. *Progress in Mathematics*, 320 Birkhäuser/Springer, Basel. vi + 247 pp.

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## OTHER ARTICLES

36. The value of mathematical storytelling: our perspective on giving talks (with John Voight). *Notices Amer. Math. Soc.*, **70** (2023), no. 6, 928-931.

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## TEACHING

### UNIVERSITY OF WASHINGTON, Professor

- 2025 Math 208: Linear algebra (2 sections)
- 2024 Math 581E: Algebraic points on curves
- Math 208: Linear algebra (2 sections)
- 2023 Math 402: Introduction to Modern Algebra I
- 2022 Math 504: Modern Algebra I
- 2021 Math 301: Elementary Number Theory
- Math 300: Introduction to Mathematical Reasoning (2 sections)
- 2020 Math 308: Matrix Algebra
- Math 583: Communicating Mathematics Effectively
- Math 404: Introduction to Modern Algebra III
- Math 403: Introduction to Modern Algebra II
- 2019 Math 308: Matrix Algebra
- Math 480: Cryptography
- 2018 Math 308: Matrix Algebra (2 sections)
- 2017 Math 581: Algebraic Number Theory

- Math 308: Matrix Algebra  
 Math 480: Cryptography
- 2016 Math 402: Introduction to Modern Algebra I  
 Math 582: Class Field Theory
- 2015 Math 581: Algebraic Number Theory  
 Math 124: Calculus with Analytic Geometry I  
 Math 403: Introduction to Modern Algebra II
- 2014 Math 402: Introduction to Modern Algebra I  
 Math 308: Matrix Algebra
- UNIVERSITY OF WASHINGTON**, Reading courses and research groups
- 2019 Algebraic Number Theory (2 students)  
 WXML group on embeddings of genus 0 curves (2 students)
- 2018 Elementary Number Theory (1 students)  
 Algebraic Number Theory (3 students)
- 2017 Arithmetic of elliptic curves (1 student)
- 2016 Arithmetic geometry (3 students)
- 2015 Rational points on varieties (2 students)  
 Algebraic geometry, joint with Max Lieblich (2 students)
- 2014 Algebraic geometry, joint with Max Lieblich (4 students)
- BROWN UNIVERSITY**, Professor
- 2013 Math 19: Advanced Placement Calculus (Physics/Eng.) *Course head*  
 Math 158: Cryptography  
 Math 156: Number Theory
- 2011 Math 153: Abstract Algebra I  
 Math 52: Linear Algebra
- UC BERKELEY**, Teaching assistant
- 2008 Math 16b: Analytical Geometry & Calculus II
- 2007 Math 110: Advanced Linear Algebra
- 2006 Math 53: Multivariable Calculus  
 Math 54: Linear Algebra & Differential Equations
- 2005 Math 1b: Calculus II
- UNIVERSITY OF MARYLAND, COLLEGE PARK**, Strauss teaching assistant
- 2005 Math 141: Calculus II
- 2004 Math 140: Calculus I



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**CONFERENCE LEADERSHIP**
**ORGANIZER**

- 2026 Women in Numbers 7 (tentative)  
Co-organizers: Alia Hamieh, Cathy Hsu, and Beth Malmskog
- 2025 Summer Research Inst. in Algebraic Geometry, Session on Varieties over global fields  
Co-organizers: Jennifer Balakrishnan and Junyi Xie
- 2024 AIM workshop: Degree  $d$  points on surfaces  
Co-organizer: Nathan Chen
- 2022 Pacific Rim Mathematical Association (PRIMA) Conference Special Session “Arithmetic geometry: theory and computation”  
Co-organizer: Sho Tanimoto
- 2022 – Roots of Unity workshop series (held biannually)  
Co-organizers: Christine Berkesch, Michelle Manes, Priyam Patel, Candice Price, and Adriana Salerno
- 2020 – 2022 paraDIGMS: Diversity in Graduate Mathematical Sciences Fall and Spring Conferences  
Co-organizers: Matthew Ando, Justin Lanier, Marissa Loving
- 2020 Western Algebraic Geometry Symposium  
Co-organizers: Jarod Alper, Edray Goins, Dagan Karp
- Modern Breakthroughs in Diophantine Problems, BIRS  
Co-organizers: Michael Bennett, Nils Bruin, Samir Siksek
- Foundations of Computational Mathematics, Computational Number Theory Session  
Co-organizers: Nils Bruin & Christophe Ritzenthaler (Cancelled due to COVID-19)
- 2019 CFW: Derived Algebraic Geometry, Birational Geometry and Moduli Spaces  
Co-organizers: Julie Bergner, Antonella Grassi, Kirsten Wickelgren
- 2018 Communicating Mathematics Effectively  
Co-organizer: John Voight
- 2017 Women in Numbers 4  
Co-organizers: Jennifer Balakrishnan, Chantal David, Michelle Manes
- 2015 AMS Spring Western Sectional Meeting: Special session on “Arithmetic geometry”  
Co-organizer: Katherine Stange
- 2013 AIM workshop: “Brauer groups & obstruction problems: moduli spaces and arithmetic”  
Co-organizers: Asher Auel, Brendan Hassett, and Anthony Várilly-Alvarado
- AMS/MAA Joint Mathematics Meetings: AWM special session on number theory  
Co-organizer: Kristin Lauter
- 2012 Joint Mathematics Meetings: special session on “Rational points on varieties”  
Co-organizers: Jennifer S. Balakrishnan, Bjorn Poonen, and Kirsten Wickelgren
- PROGRAM/SCIENTIFIC COMMITTEE**
- 2024 Algorithmic Number Theory Symposium (ANTS XVI)
- 2022 – Rational Points Conference
- 2012 Tenth Algorithmic Number Theory Symposium (ANTS X)

**PROJECT LEADER**

- 2023 Women in Numbers 6; Co-leader: Yuan Liu
- 2020 Women in Algebraic Geometry; Co-leader: Isabel Vogt
- 2017 Women in Numbers 4; Co-leader: Abbey Bourdon
- 2015 Graduate student bootcamp, Algebraic Geometry Summer Research Institute  
Arizona Winter School
- 2014 Women in Numbers 3; Co-leader: Michelle Manes
- 2011 Women in Numbers 2; Co-leader: Kristin Lauter

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**SERVICE TO THE COMMUNITY****ONGOING SERVICE**

- 2024 – Editor, *Bulletin of the AMS*
- 2024 – 2027 AMS Prize Oversight Committee
- 2024 – 2026 AMS Canvassing Committee
- 2024 – 2025 AMS Canvassing Committee (chair)
- 2024 – 2025 Nominating committee of the ECBT
- 2023 – 2026 Vice President of the AMS
- 2023 – 2025 AMS Long Range Planning Committee
- 2022 – 2026 Executive Committee of AMS Council
- 2020 – 2026 Member, AMS Policy Committee on Publications
- 2018 – Series editor, *Algorithms and Computation in Mathematics*
- 2018 – Editor, *Research in Number Theory*
- 2015 – Member, Women in Numbers (WIN) Steering Committee
- 2012 – Board of directors, Girls' Angle: a math club for girls, see [girlsangle.org](http://girlsangle.org)
- 2011 – Advisory board, Girls' Angle

**PAST SERVICE**

- 2021 – 2023 Chair, MSRI Summer Research in Mathematics Selection Committee
- 2020 – 2023 Member-at-large, AMS Council
- 2021 – 2022 Member, AMS Committee on Committees
- 2021 – 2022 Mentor, BAMB: Bolstering the Advancement of Masters in Mathematics, Math Alliance (1 student)
- 2018 – 2021 Member, AMS-Simons Travel Grants Committee
- 2015 – 2021 Chair, Western Algebraic Geometry Symposium (WAGS) Diversity Committee
- 2015 – 2021 Member, Western Algebraic Geometry Symposium (WAGS) Council
- 2020 Co-organizer, *Tea time with a number theorist*, a weekly informal zoom chat with a number theorist, open to all who wish to attend.
- 2020 Moderator, *Algebraic geometry syndicate*, an online community of over 2000 members where students and early career mathematicians can form reading groups, receive career advice, and find community, virtually.
- 2011 – 2014 Active member, Rose Whelan society: an organization for women in math at Brown
- 2010 – 2011 Mentor, Girls' Angle

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**DEPARTMENTAL SERVICE**
**UNIVERSITY OF WASHINGTON**

- 2024 – Undergraduate program committee  
 2022 – 2024 Appointments committee (chair)  
 2020 – 2021 308 course coordinator  
 2020 – 2021 Graduate program committee  
 2019 – 2020 AWM student chapter faculty mentor  
 2019 – 2021 Diversity committee (chair)  
 2017 – 2020 Appointments committee  
 2014 – Number Theory Seminar Organizer  
 2017 – 2018 Internal chair selection committee  
 2015 – 2017 Planning committee  
 2014 – 2017 Diversity committee  
 2014 – 2018 UW local organizer for Abelian Varieties CRG multi-site seminar

**BROWN UNIVERSITY**

- 2011 – 2012 Graduate admissions committee (2 years)  
 2010 Panelist, “Applying for academic jobs”

**UC BERKELEY**

- 2009 – 2010 Graduate student mentor  
 2009 – 2010 Founder and Organizer, Graduate Student Colloquium  
 2008 – 2010 Co-founder and active member, Unbounded Representation: an organization focused on issues of diversity in mathematics at UC Berkeley  
 2006 – 2010 Active member, Noetherian Ring: an organization for women in math at UC Berkeley  
 2006 – 2008 Officer of Mathematics Graduate Student Association  
 2005 – 2006 Organizer, Mentor Lecture Seminar Series  
 Co-organizer: Daniel Erman

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**ADVISING**

- Bryan Boehnke, Ph.D. (expected)  
 Jasmine Camero, Ph.D., Emory University (expected)  
 Alex Wang, Ph.D. (expected)  
 Alex Galarraga, Ph.D. (expected)  
 2024 Carlos Rivera, Ph.D.  
 2024 Thomas Carr, Ph.D.  
 2022 Sam Roven, Ph.D.  
 2021 Jon Kim, B.S.  
 2020 Caleb Geiger, M.S.  
 2019 Manar Rimani, Ph.D.  
 2019 Blanca Vina, B.S.

**UW STUDENT EXAM COMMITTEES**

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- 2021 Doctoral reading committee for Anthony Sanchez  
Doctoral reading committee for Samantha Fairchild
- 2020 General exam committee for Hao Geng (physics)
- 2018 General exam committee for Tuomas Tajakka  
Doctoral reading committee for Siddharth Mathur  
General exam committee for Anthony Sanchez  
General exam committee for Kevin Lui  
General exam committee for Samantha Fairchild
- 2017 General exam committee for Gerardo Zelaya
- 2016 General exam committee for Kristin DeVleming
- 2015 General exam committee for Siddharth Mathur  
Doctoral reading committee for Pál Zsamboki  
Oral preliminary exam committee for Daniel Bragg  
Oral preliminary exam committee for Lucas Van Meter  
General exam committee for Riley Casper
- BROWN STUDENT EXAM COMMITTEES**
- 2014 Topics exam committee for Ken Ascher
- 2012 Topics exam committee for Martin Ulirsch
- 2011 Topics exam committee for Wade Hindes
- 2011 Topics exam committee for Dimitrios Moirogiannis
- 2010 Topics exam committee for Jacqueline Anderson